

# **METHOD FOR EXAMINING STRUCTURES ON A SEMICONDUCTOR SUBSTRATE**

## **Abstract of Disclosure**

The invention is based on a method for examining structures on a semiconductor substrate. The structures are imaged with X-radiation in an X-ray microscope. The wavelength of the X-radiation is established as a function of the thickness of the semiconductor substrate in such a way that both a suitable transmission of the X-radiation through the semiconductor substrate and a high-contrast image are obtained. As a result, the structures can be observed continuously with short exposure times, high resolution and even while they are in operation.